

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FOB080"22T52660

9	18	27	36	45	54
5' NNA GTA AAA GCA GCC GAA TCA ATT GAT CAG AAA AAT GAT TCA CAG CTG GTA ATA					
63	72	81	90	99	108
GAA GCT TAT AAA TCA GGG TTT GAG CCT CCT GGA GAC ATT GAA TTT GAG GAT TAC					
117	126	135	144	153	162
ACT CAG CCA ATG AAG CGC ACT GTG TCA GAT AAC AGC CTT TCA AAT TCC AGA GGA					
M K R T V S D N S L S N S R G					
171	180	189	198	207	216
GAA GGC AAA CCA GAC CTC AAG GGT GGC AAA TCC AAA GGA AAG TTA TGG CCG					
E G K P D L K F G G K S K G K L W P					
225	234	243	252	261	270
TTC ATC AAA AAG AAT AAG GGT GCA ACA CCG GAG GAT TTC AGC AAC CTC CCA CCT					
F I K K N K G A T P E D F S N L P P					
279	288	297	306	315	324
GAA CAA AGA AGG AAA AAG CTG CAG CAG AAA GTC GAT GAG TTA AAT AAA GAA ATT					
E Q R R K K L Q Q K V D E L N K E I					
333	342	351	360	369	378
CAG AAG GAG ATG GAT CAA AGA GAT GCC ATA ACA AAA ATG AAA GAT GTC TAC CTA					
Q K E M D Q Q R D A I T K M K D V Y L					

FIGURE 1A

APPROVED	O. G. FIG.	
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387	396	405	414	423	432
AAG AAT CCT CAG ATG GGA GAC CCA GCC AGT TTG GAT CAC AAA TTA GCA GAA GTC					
K N P Q M G D P A S L D H K L A E V					
441	450	459	468	477	486
AGC CAA AAT ATA GAG AAA CTG CGA GTA GAG ACC CAG AAA TTT GAG GCC TGG CTG					
S Q N I E K L R V E T Q K F E A W L					
495	504	513	522	531	540
GCT GAG GTT GAA GGC CGG CTC CCA GCA CGC AAC GAG CAG GCG CGC CAG CAG AGC					
A E V E G R L P A R N E Q A R R Q S					
549	558	567	576	585	594
GGA CTG TAC GAC AGC CAG AAC CCA CCC ACA GTC AAC AAC TGC GCC CAG GAC CGT					
G L Y D S Q N P P T V N N C A Q D R					
603	612	621	630	639	648
GAG AGC CCA GAT GGC AGT TAC ACA GAG GAG CAG AGT CAG GAG AGT GAG ATG AAG					
E S P D G S Y T E E Q S Q E S E M K					
657	666	675	684	693	702
GTG CTG GCC ACG GAT TTT GAC GAC GAG TTT GAT GAT GAG CCC CTC CCT GCC					
V L A T D F D D E E F D D E E P L P A					
711	720	729	738	747	756
ATA GGG ACG TGC AAA GCT CTC TAC ACA TTT GAA GGT CAG AAT GAA GGA ACG ATT					
I G T C K A L Y T F E G Q N E G T I					

FIGURE 1B

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FORBIDDEN

765	774	783	792	801	810
TCC GTA GTT GAA GGA GAA ACA TTG TAT GTC ATA GAG GAA GAC AAA GGC GAT GGC					
S V V E G E T L Y V I E E D K G D G					
819	828	837	846	855	864
TGG ACC CGC ATT CGG AGA AAT GAA GAT GAA GAG GGT TAT GTC CCC ACT TCA TAT					
W T R I R R N E D E E G Y V P T S Y					
873	882	891	900	909	918
GTC GAA GTC TGT TTG GAC AAA AAT GCC AAA GGT GCT AAG ACT TAT ATT TAA TAC					
V E V C L D K N A K G A K T Y I					
927	936	945	954	963	972
CAT AAA AAA AAA CTT AAA AAA AAT GGA GTT GTT TCT CCC CAC AAC CGT GAC					
981	990	999	1008	1017	1026
TGT TAC AGG CAG TTC CTC AAG AGA CTG GCT GCT GGC AAG CAC CAT AAT GCA CGT TCT					
1035	1044	1053	1062	1071	1080
CCT GTA GTC TCA CGT GGA CTT CAG GGT CCG GGC ACC TGA ATT GCC TTG TCT AGT					
1089	1098	1107	1116	1125	1134
TTG GGC TGT AAT CAA GTT TCA CTT GCT GAT GAA ATT TTA TGT GGA AAG CTG CCA					

FIGURE 1C

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1143	1152	1161	1170	1179	1188
ACC GCC AAC TTA CAG CTA TGT CAT TCA AAA TCT GAT AAA CAT TTC TTT TGG					
1197	1206	1215	1224	1233	1242
CGG TAT CTG TAG ATT AAA AAA AAA GTT GCA TTG TAG CTT CTC ATC TTT CTG AAT					
1251	1260	1269	1278	1287	1296
TTA AAA GCC GGC ACG CAT CAT GCA GGT GCC AAA GAC TTC CCT ACT CTT GTT TAT					
1305	1314	1323	1332	1341	1350
ATC TAG TAT CCA CCA TAC ACT GAG CTA CAT TAG GTG GTT ACA GAT TGT AAC TTA					
1359	1368	1377	1386	1395	1404
ATA AAC TGA ACT GTG TTA GTT TGT TAA ATT GGA TAC TCA TTC ACT TGG GGA GGA					
1413	1422	1431	1440	1449	1458
GTC ACA AGT GAA ATA CCA TCT CTT TCT TGA CTA AAG CGG TAA ATA AGG TTC TTA					

TTG 3'

FIGURE 1D

FIGURE 2A

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441	CCC GAN	CCC GCT	AGC GCC	CCG CCA	GAC AGC	AGC AAC	AGC AGC	GCA TCA	486
	P X	P A	S A	P P	D S	S S	N S	A S	Q
495	GAC ACC	AAG GAG	AGC TCT	GAA GAG	CCC TCA	GAA GAG	AGC AGC	GAC ACC	540
	D T	K E	S S	E E	P S	E E	S S	Q D	T P
549	ATT TAC	ACG GAG	TTT GAT	GAG GAT	TTC GAG	GAA GAA	CCC ACA	TCC CCC	594
	I Y	T E	F D	E D	F E	E E	P T	S S	I G
603	CAC TGT	GTG GCC	ATC TAC	CAC TTT	GAA GAG	GGG TCC	AGC GGC	ACT ATC	648
	H C	V A	I Y	H Y	G G	S S	E G	T I	S M
657	GCC GAG	GGT GAA	GAC CTC	AGT CTT	ATG GAA	GAC AAA	GGG GGC	GAC TGG	702
	A E	G E	D L	S L	M E	D K	G G	D G	T
711	CGG GTC	AGG CGG	AAA GAG	GGA GGC	GAG GTG	TAC CCC	ACC ACC	TCC TAC	756
	R V	R R	K E	G G	E G	Y V	P T	S Y	L R
765	GTC ACG	CTC AAT	TGA ACC	C C	3'				
	V T	L L	N						

FIGURE2B

FO8080" 22T52660

BY	CLASS	SUBCLASS
DRAFTSMAN		

1	MKRTVSDNSLSNSRGEKPPDLKFGGKSKGKLWPF	IKKNG	865744
1	- - - - -	- - - - -	- - - - -
1	KIHC - - - - -	F R S L K R G - - - - -	1816529
		G	g1255033
41	ATPEDFSNLPPPEQRRKKLQOKVDDELNKEIQKEMDQ	RD AIT	865744
1	- - - - -	- - - - -	- - - - -
13	VTPEDFSNFPPEQRRKKLQOKVD	DLN R E I O K E T D Q R D A I T	1816529
			g1255033
81	KMKDVY L K N P Q M G D P A S L D H K L A E V S Q N I E K L R V E T Q K F E		865744
1	- M K D V Y E K T P Q M G D P A S L E P Q I A E T L S N I E R L K L E V Q K Y E		1816529
53	KMKDVY L K N P Q M G D P A S L D Q K L T E V T Q N I E K L R L E A Q K F E		g1255033
121	AWLAEVEGR - L P A R N E O - A R R Q S G L Y D S Q N P P T V N N C A Q D		865744
40	AWLAEAE S R V L L S N R G D S L S R H A R P P X P P A S A P P D S S S N S A		1816529
93	AWLAEVEGR - L P A R S E O - A R R Q S G L Y D G Q T H Q T V T N C A Q D		g1255033

FIGURE 3A

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159	R E S P D G S Y T E E Q S Q E S E M K V L A T D F D D E F D D E E P L P A I G T	865744
80	S Q D T K E S S E P P S E S Q D T P I Y T E F D E D F E - E E P T S P I G H	1816529
131	R E S P D G S Y T E E Q S Q E S E H K V L A P D F D D E F D D E E P L P A I G T	g1255033
199	C K A L Y T F E G Q N E G T I S V V E G E T L Y V I E E D K G D G W T R I R R N	865744
119	C V A I Y H F E G S S E G T I S M A E G E D L S L M E E D K G D G W T R V R R K	1816529
171	C K A L Y T F E G Q N E G T I S V V E G E T L S V I E E D K G D G W T R I R R N	g1255033
239	E D E E G Y V P T S Y V E V C L D K N A K G A K T Y I	865744
159	E G G E G Y V P T S Y L R V T L N	1816529
211	E D E E G Y F P T S Y V E V Y L D K N A K G A K T Y I	g1255033

FIGURE 3B